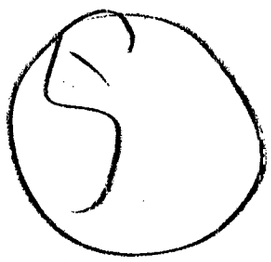
Kolars

Previous references.
RB 369-08 (1+4) 1912-13
G.O. no 10241-24 (Local Boards

Later references.
RB 258-12-6 D 24-6-13

File No. 240-12
Serial Nos. 1406



GENERAL AND REVENUE SECRETARIAT.

Serial Nos. 1406

Part B. for September 1913

SUBJECT.

Enhancement of the mileage grants of Certain Dt. Fund Roads in the Kolar Dt

(1) From the Chief Engineer, no 2032, D 11-3-13. Requests to grant enhanced mileage allotments for the maintenance of Certain Dt. Fund roads in the Kolar Dt.

(2) To the Chief Engineer, no 7890 D 3-4-13. Requests him to quote the no & date of the order fixing the present rates & to forward papers on the subject.

(3) From the same. no 3026 D 16-4-13. States that no information is available in his office.

(4) To the Presdt. Dt. Bd. Kolar, no 8669 D 26-4-13. Requests him to quote the no & date of the order fixing the present mileage rates & to forward papers on the subject.

GPA—4,000—4-7-11

(1

G.R.S. 11] 1919

GENERAL AND REVENUE SECRETARIAT

(20)

NOTES.

File No. 240

FILE HEADING.

Enhancement of the mileage grants of Certain District Board Roads in the Kolar Dt

From

The Chief Engineer

No. 2052 Dated 11.3.13 Received 18.3.13

Diary No. 534	Enclos. 4	Spare Copies.	Serial No. 1

BRIEF ABSTRACT OF LETTER.

Request to grant enhanced mileage allowance for the maintenance of certain District Board Roads in the Kolar Dt

NOTES AND ORDERS.

The Chief Engineer's recommendation in support of the Health Officer of the District and the Executive Engineer Kolar Division states that increased mileage rates are absolutely necessary for keeping the road in an

NOTES—First Sheet

GPB—35,000—15-6-12

A. S. 12.

General and Revenue Secretariat. | C.S. File No. 740 of 1912-13

Serial No.

Present state of repairs - Vide paras 3 & 4 of the Executive Engineer's (letter) Kamma Enc. 4 the letter under reference. The Executive Engineer urges (asks) to provide Rs under M.P.W. Repairs, Communications" a total amount of Rs. 23,500 against Rs. 32,250 for the current year. This involves a net increase of Rs 1250 to the permanent charge above 11 has therefore been consulted. The financial position of the division is as follows.

	Rs
Opening balance on 1-7-12	57,694
Receipts for 12-13	97,204
Total	1,54,898
Debit Expdt	1,11,458
Closing balance	43,440

4.62

17/3/13

18

2) The Executive Engineer reports that the present mileage grants are insufficient and gives data in support of his contention. The wages have risen without a corresponding increase in mileage grants. ~~[illegible]~~ fly

19/3/13

To Secretary Financial Branch

NOTE—Contn. sheet.

GIL—65,000—17-C-12.

S.347 (3

F. R. S. 12]

General and Revenue Secretariat. L B File No. 240 of 1912

Serial No.

3) Subs.

1 Both the Chief Engr and the Dt. Board of Kolar are of opinion that the increase of mileage allotment is necessary. The Admve Dept is also in favor of the increase. But as the Fin[l] condition of the Dt. Board is not sound, the expenditure being in excess of the receipts, the proposal may be sanctioned with an observation that the Dt. Board should endeavour to improve its finances either by cutting short the expenditure or by increasing the income.

BBn

2) 3/13 4) This is merely a question of time and has to be regulated according to the length of the purse. The ability or otherwise to be a pride to person of these less useful works, but if these are more necessary then they will have to wait

Bpr IV

1/ 22.3.13

3) 22/3/13

5) submitted to Dy Secy.

24/3/13

LY 25/3/13

6) Is there no tradition in the matter — I mean past literature? There must be some order fixing the rates which must be but such to collect in the representations

NOTE—Contn. sheet.

GIP—65,000—17-C-12.

5347 6343 [4

(R. S. 12]

General and Revenue Secretariat. | L.S. File No. 240 of 1917-3

Serial No.

for increases received in the past.

Dmu 25/3

25/3/13

7) From a search of the File Registers no information is available in the matter. Draft requesting the Chief Engineer to furnish the information is submitted with the relative papers traced in the subject mis. (LB 369-88).

Let the requisition be in the form of a letter & not by means of a Docket

27/3/13

29

(Sd) Dmu. marking it urgent.

Dmu 3/4

Insert this as 2nd draft

Dmu. 31/3

Personal Enquiries might be made

Dmu 1/4

2 8) To The Chief Engineer on Inspection No. 7890 dated 3-4-13. Requests him to quote the No & date of the order fixing the present rates, and also to forward any other papers on the subject

3 9) From The Same letter No. 3026 dated 16-4-13. States that no information is available in his office

10) Some information may perhaps be available in the President's office at Kolar. Subd

11) With reference to para 6 supra

Then call for it Sanj

Dmu 22/4/13

22/4

NOTE—Contn. sheet.

GPB—65,000—17-6-12.

22/6/13

~~1364~~ 968

5

R. S. 121

General and Revenue Secretariat.

LB File No. 240 of 1912

Serial No.

12) Draft letter to Presdt Board Kolar, is put up

NM 23.4.13

Issue 24/4/13

13) To the Presdt., Dn Bd Kolar no 8669 d 26.4.13. Requests him to quote the no & date of the order fixing the present mileage rate & also to forward any other papers relating to the subject

14) Dom Do. no 157 d 4.8.13. Submits in original Kolar Executive Engineer's letter wherein he has traced the history of mileage grants of the imperial roads of the Dn giving reasons for now claiming higher rate.

15) Submitted for orders with reference thereto

16) Note if due provision 16/8/13 has been made in this year 18 budget (1913-14). The proposal appears to be reasonable

69 30.8.13

Bm 30/8.

17) Attention is invited to para 9 of G.O. no 10211-29 d 20.6.13 fixing the Dy. 250-12-6 Budget Estimate of Kolar for 1913-14, due provision in which has been made but the expenditure at the higher rate of mileage

NOTE—Contn. sheet.

GPR—65 000—17-6-12.

Serial No.

is not to be incurred without due sanction. The higher rate of mileage would result in a net increase of Rs. 1250 to the permanent charge the provision retained in the budget for 13—14 being Rs. 33,500 against Rs. 32.250 for 1912—13

K.P. 4.2
3/9/13 (18) Put up draft sanctioning.
5
Asy
5/9.

L.S. 5/9/13 (19) Draft sanctioning is submd

K.P. 23
8/9/13 (20) The draft shows an increase of Rs. 2700 by way of Lumpsum allotments but the reserve for unforseen expenditure is proposed to be reduced from the figures of last year, so that the total provision in N. P. W. 2 Repairs — Maintenance not exceed Rs 33,500 or an additional allotment of Rs 1250/- This may be sanctioned as the charge is inevitable.

Dy Secy
Asy
9/9.

Some of the references put up have been removed as per orders as being both unnecessary
K.P. 10/9/13.

(21) The District Board & Engineering Officers answer that the proposed increases are absolutely necessary. Draft order put up for favour of approval sanctions thereof.

Dy Secy
2nd Consultr.
10/9 Asy 10/9

approved

Secy 12/9 Dy 13/9

Asy 12/9.

NOTE—Contn. sheet.

GIP—65,000—17-6-12.

R. S. 12]

General and Revenue Secretariat.

L. B File No. 240 — of 1912

Serial No.	
6.	With reference to letter No. 157 dated the 4th August 1913 from the President, District Board, Kolar, the increased mileage allotments for the upkeep of the District Fund Roads shown in the appended Statement, resulting in an excess expenditure of 2700 rupees a year, are sanctioned, the charge during the current year being met from the reserve grant of Rs 4193 made under "A.P.W. 2 Repairs" in the current year's D.F. Budget of the Kolar District.

Urgent

Dist. 5347 (1

1912-1913

Mysore public Works Department,

No. 2032 Central Office, 12

Dated Bangalore, 8th March 1913.

From

Karpur Shrinivasrav, Esq., B.Sc., L.C.E.,

Offg: Chief Engineer of Mysore,

Bangalore,

To

K.R.Srinivasaiengar, Esq., M.A.,

Offg: Secretary to Government

General and Revenue Departments,

Bangalore.

Sir,

I have the honour to forward herewith copies of the

1.Letter No.667 dated the 23rd February 1913 from the President, District Fund Board, Kolar.
2.Extract from the Proceedings of the District Fund Board.
3.Letter No.46 dated the 7th February 1913 from the Executive Engineer, Kolar Division, to the President.
4. One statement.

marginally noted correspondence re the enhancement of the mileage grants of certain District Fund roads in the Kolar District and to inform you that, under the circumstances explained by the Executive Engineer, I consider the increased rates recommended are reasonable and may be sanctioned.

I have the honour to be.

Sir,

Your most obedient servant,

Offg: Chief Engineer of Mysore.

V.N.S.

Statement showing the Revised Mileage Allotments proposed to be sanctioned for District Fund Roads in the Kolar District.

No.	Works.	As sanctioned			As proposed.			Remarks.
		Number of miles	Rate per mile	Total Cost.	Number of miles.	Rate per mile	Total Cost	
1	A. B. of Kulbagal Railway Feeder Road	12½	100	1,250	12½	120	1,500	Very heavy fuel traffic for Beltamangala Jewell filter Works.
2	(do) Kulbagal Goribidnur Road.	78	100	7,800	5 73	150 100	750 7,300	For the first portion of 5 miles beyond Chickballapur increase of grant is necessary.
3	(do) Chintamani Bagepalli Road	35	50	1,750	35	70	2,450	Present allotment is very poor.
4	(do) Kolar Anthargänga Spring Road	2	50	100	2 ½	50 100	150	One extra half mile length from the foot of the hill to the Anthargänga Springs is now included & Rs 50 a year is required for repairs to steps and revetment etc. in it.
5	(do) Kolar Sompur Road	29½	80	2,360	29½	100	2,950	A very important road with heavy traffic and having 2 miles of ghaut portion near Nandi
6	(do) Kolar Masti Railway Feeder Road	12	50	600	12	60	720	
7	(do) Hoskota Kolar Road	4	50	200	4	60	240	
8	(do) Hosakota Siddlagatta Road	11	50	550	11	60	660	
9	(do) Periasandra Goribidnur Road	25	60	1,500	25	70	1,750	Present mileage grant is very poor and must be increased.
10	(do) Thondebhavi Maddagiri Road	10	50	500	10	60	600	
11	(do) Chintamani Chelur Road.	24	60	1,440	24	70	1,680	
12	(do) Yellampalli Chelur Road.	21	60	1,260	21	60	1,260	
13	(do) Chickballapur Bandi Road	4½	100	450	4½	100	450	
14	(do) Kolar Venkatagirikota Road	25	80	2,000	25	80	2,000	
15	(do) Bandi Hesgadahalli Road.	4	50	200	4	50	200	
16	(do) Kolar Malur Hosur Railway Feeder Road.	26	150	3,900	26	150	3,900	
17	(do) Malur Venugal Road.	10	50	500	10	60	500	
18	(do) Budikote Malur Railway							

	Feeder Road.	8	80	640	8	80	640
19.	— do — Loop line from Doddahasala to Kolar Venkatapirikota Road.	2¼	30	67	2¼	30	67
20.	— do — Chinnasandra Chintamani Road.	3	80	240	3	80	240
21	do — Venkatapur Devanahalli Road	½	50	25	½	50	25
22	— do — Bangalore Mandidong Road.	9	75	675	9	75	675
23	— do — Loop line from Gauribidanur to Chennarayanahalli Road.	5	60	300	5	60	300
24	— do — Periasandra Sadali Road	8	50	400	8	50	400
25	— do — Goribidanur Maddagiri Railway Feeder Road.	10	60	600	10	60	600.

Total	"	"	29,307	"	"	32,007
Reserve Grant	"	"	2,943	"	"	1,493 "
Grand Total.	"	"	32,250	"	"	33,500

"Copy"

L. P. Srinivasamurthy Esq.
Assistant-Secretary.
P. W. Department.

(3

Letter No.667 dated the 24th February 1913 from the President, District and Municipal Boards, Kolar District, to the Chief Engineer of Mysore.

&&&&&&&&&&&&&&&&&&&&

In forwarding herewith in original (for favour of return) letter No.46 dated the 8th February 1913 received from the Executive Engineer, Kolar Division, bringing to notice that the mileage grant for some of the District Fund roads is insufficient and pointing out the desirability of enhancing the same, I have the honour to state that the subject was duly brought before the District Board meeting held on the 8th instant and was fully discussed in all its aspects. The board are of opinion that it is very necessary to reallocate the rates. I fully agree with the views expressed by the Executive Engineer and recommend that the Board's resolution may be approved and the matter recommended to Government for favour of sanction. I beg to add that it only means a formal approval of the proposal as from the revised rates it does not affect the financial position but only involves a redistribution of rates between original works and repairs.

2. A copy of the Board's resolution is herewith sent for kind perusal.

3. The favour of early orders is solicited.

&&&&&&&&&&&&&&&&&&&&

Extract of the Proceedings of the Kolar District Board meeting held on the 8th February 1913.

****

20. Read letter No.46 dated 7th February 1913 received from the Executive Engineer, Kolar Division, stating in detail that the mileage

mileage grant for the annual repairs of some of the District Fund Boards is insufficient and requesting that Government sanction may be obtained for a redistribution of the grant with a view to maintain the roads in a better and more satisfactory condition.

Resolved that Government sanction may be applied for for this purpose.

X X X X

(Sd) P.F.Bowring

President, District and Municipal Boards, Kolar District.

Letter No.46 dated the 7th February 1913 from the Executive Engineer, Kolar Division, to the President, District Board, Kolar District.

With reference to the concluding portion of para 4 of this office No.7 dated 11th ultimo stating that the mileage grant for the annual repairs of some of the District Fund roads are insufficient and that a detail report on the subject will be sent for consideration of the Board, I have the honour to state as follows:-

2. The mileage allotments for the annual repairs of these roads were fixed several years ago when the traffic was normal and the same is being continued even now, when the conditions have changed very much. Traffic is becoming heavier

and

and heavier every year on most of the roads, especially, the railway feeder roads. The roads noted below have got a poor allotment of only Rs 50 or Rs 60 a mile for annual maintenance.

Chintamani-Bagepalli road.....Rs 50

Chintamani-Chelur road.....Rs 60

Malur-Masti road.....Rs 50

Hoskote-Malur road.....Rs 50

Hoskote-Siddlaghatta road.....Rs 50

Yellampalli-Chelur road.....Rs 60

Thondebhavi-Maddigire road.....Rs 50

Goribidnur-Maddigire railway feeder.....Rs 60

3. It is not possible to maintain a road in satisfactory condition with gravel only, for this poor grant, as will be seen from the data given below. Taking 2 furlongs only a mile for special recoating every year with 70 c. yards of gravel each and allowing 5 c.yds of gravel for repairing ruts and holes for each of the remaining 6 furlongs in a mile and supposing that gravel is available at the road side only, for each and every furlong - which it is not - the quantity of gravel required to be collected for every mile is -

2 X 70 + 6 X 5 or 170 cyds.

Allowing 2½ annas per cyd for collection and 2½ annas per cyd for spreading and consolidation, the cost of

(a) Collection and consolidation of 170 cyds of gravel at 5 annas per cyd amounts to...Rs 53 - 2 -0

(b) Picking the road surface about 2400 sq.yds.in a mile at ½ anna per sq.yd.....Rs 6 - 4 -0

c) Clearing side drains say 1000 R.yds. minimum at 1 pie per R.yd Rs 5-4-0

(d) Check drains and shoulder drains Rs 2-6-0 } Rs 7 -10 -0

(e) Repairs to tunnels & causeways.....Rs 3 - 0 -0

(6

Brought forward 70-0 - 0

(f) Miscellaneous charges such as clearing jungle, earthwork for sides, embankments, turfing for embankments, removing anthills ..Rs 5 - 0 - 0

75 - 0 - 0

Actually gravel is not available at every furlong and lead for carting gravel has to be given in the case of several furlongs. Thus it will be seen that grant of even Rs 75 per mile is quite insufficient to maintain a gravel road in fit condition.

4. Now when the grant is not sufficient to maintain even with gravel, several furlongs and miles on some of these roads have been coated with metal during the recent years, under special repairs or improvement estimates sanctioned by Government with the approval of the Board. To maintain these metalled furlongs with metal every year it is unnecessary to mention that more grant is required.

5. It may not be out of place to mention here that in the case of roads noted below -

(a) Mulbagal-Goribidnur road.

(b) Periyasandra-Goribidnur road.

(c) Chintamani-Bagepalli road.

(d) Yellampalli-Chelur road.

(e) Kolar-Sompur road,

there are very steep ghaut portions extending for a length of about 2 to 5 miles each, which require a very large sum to maintain.

6. On account of the construction of Jewell Filter at Bethamangala for the ~~xxxxxx~~ water supply of Kolar Gold Fields, the fuel traffic on

(7

(a) Mulbagal Railway Feeder road between Mulbagal and Bethamangala.

(b) Kolar-Venkatagiri road has increased very much during the last few years.

7. Further, the fly of motor cars has become very so frequent on several of the District Fund Roads and the Motor Car travellers begin to complain if the condition of road on which they pass is not satisfactory.

8. So, under the present state of circumstances, the necessity for revising and increasing the mileage grants for the District Fund roads is quite obvious.

A statement shewing the amounts sanctioned for the last 10 years ending with year 1912-13 for "Repairs, Communications" under the District Funds for the roads and Travellers' Bungalows, executed by the P.W.D., excluding "Original"works, is given below for ready reference:-

Year	Repairs Annual	Special	Total
1903-04	29,227	10,187	
1904-05	28.777	5,767	
1905-06	28,907	5,683	
1906-07	28.907	5,818	
1907-08 1908-09	28,945 29,057	2,655 2,000	
1909-10	29,307	1,943	
1910-11	29,307	2,943	
1911-12	29,307	2,943	
1912-13	29,307	2,943	
Total for 10 years.	2,91,048	42,992	3,33,930
Average for one year	29,105	4,289	33,393

Thus

Thus it will be seen that the average outlay is Rs 29,105 under annual repairs and Rs 4,288 under special repairs or a total of Rs 33,393 or say Rs 33,400 a year.

9. I beg to recommend to the Board that instead of spending about Rs 4,300 every year unser "Special Repairs", it will be better to increase the grant for annual repairs to abou Rs 32,000 permanently and limit the amount for special repairs to about Rs 1,500 a year. If any special improvements have to be done hereafter for the roads, they may be sanctioned under "Original Works".

10. Accordingly, I submit herewith for your approval a statement shewing the redistribution of mileage grants for the annual repairs of roads. Rs 32,007 for annual repairs and Rs 1,493 for special repairs are provided so as to make a total of Rs 33,500 for this year.

Under subhead "Original Works" Rs 6,500 have been allowed in the draft Budget already submitted for Rs 40,000 as per this office No.7 dated the 11th January 1913.

If my proposals are approved and sanction of Government to the redistribution of mileage grant is obtained, the roads can be maintained in a much better and satisfactory condition than at present.

&&&&&&&&&&&&&&&&&&&&&&&&&&&&

" True Copies "

R P Subramaniam B.A.

Assistant Secretary,

Public Works Department.

B.V.

(9

8W5/ Urgents

G.R.S. 26]

File No. 240-12

Serial No. 2

Diary No. of letter replied to 5347

No. 7890
SB240-12
8.3.13

General and Revenue Secretariat
(KB)
, *the* 19 .

To

The Chief Engineer

Sir,—

Date of issue 3.4.13

Signed by Mr Dwn.

With reference to your letter no. 20328 8.3.13 recommending increased mileage grants to certain P.T. roads in the Kolar District I am directed to request you to be so good as to state the number and date of the order fixing the present mileage rate and forward any file of papers or abstract regarding

over.

SUBJECT.

3/4/13

DIARY NO. 6343

(11

No. 3026

10/2-10/13
SECTION LB
FILE NO. 24072

MYSORE P. W. DEPARTMENT,

CENTRAL OFFICE.

Bangalore, 16th April 1913.

From

KARPUR SHRINIVASRAV, ESQ., B.Sc., L.C.E.,

Offg. Chief Engineer of Mysore,

Bangalore.

To

K.R.Srinivasaiengar, Esq., M.A.,

Offg. Secretary to Government,

General and Revenue Departments,

Bangalore.

Sir,

With reference to your letter No 7890/L.R.240-12 dated the 3rd instant requesting to be furnished with the number and date of the Government order fixing the present mileage rates for certain District Funds roads in the Kolar District, &c., I have the honour to inform you that the information asked for is not available in this office.

I have the honour to be,

Sir,

Your most obedient servant,

K. Srinivasrav

Deputy Chief Engineer,

Mysore P.W.D.

V.N.S.

G.R.S. 26]

File No. 240/12

Serial No. 4

Diary No. of letter replied to 6343

No. 8669
LB 240/12
26.4.13.

General and Revenue Secretariat
(Local Bds)
, *the* 19 .

To
The President Dt Board
Kolar.

Date of issue 26.4.13

Signed by MRDGR

Sir,

Adverting to your letter No. 667 dated the 24th July 1913 to the Chief Engineer in Mysore pointing out the desirability of increasing and readjusting the mileage grants of the Dist fund roads in the Kolar Dt, I am

over.

SUBJECT.

1913-14.

From The President ordinary
Municipal Board Kolar

To The Secretary to the Government
of His Highness the Maharaja of Mysore
General & Revenue Departments.

Dated 4.8.1913. Bangalore

Despatched 6th August 1913.

Received

General No. 157
No.

Enclosure No. one letter

Submitting in original
Kolar Executive Engineers
Letter No. 312 dated 23rd July 13
wherein he has traced the
history of the mileage grant
of the important roads of
the District giving reasons
for claiming higher rates to
maintain them in good
Cond.t

Office of the President, District and
Municipal Boards, Kolar District
Dated Kolar 4th August 1913

15 14
L B
240-12

From, D. F. Bowring Esquire,
Hey. President, District & Municipal Boards Kolar

To, K. R. Srinivasa Iyengar Esquire, M. A.,
Secretary to the Government of His Highness
the Maharaja of Mysore; General & Revenue
Departments. Bangalore

Sir,

With reference to your letter No. 8669 / L. B. 240-12-4 dated 26th April 1913, Calling for previous references regarding the present Mileage rates &c, I have the honor to forward herewith in Original (for obliging return when done with) Kolar Executive Engineers' letter No. 312 dated 23d July 1913, wherein he has traced the history of the Mileage grants of the important roads of the District giving reasons for claiming higher

higher rates to maintain them in good condition.

I have the honor to be,
Sir,
Your Most Obedient Servant,

A. [illegible]
Treasury Assistant Commissioner
for President District and
Municipal Boards, Kolar,
(absent from the Station)

Enhanced mileage grants for Cattle Dist. Roads in the Kolar Dt

H.R.S. 28]

1319

Ltr B

File No. 240-12
Serial No. 6

Diary No. of letter replied to 968

Proceedings of the Government of His Highness the Maharaja of Mysore

GENERAL AND REVENUE SECRETARIAT.
(Cs.)

Encl one each
To DC Kolar Cvl + Letter

READ— Correspondence Ending with Letter no 157 d. 4.8.1913 from the President, District Bd., Kolar Dt requesting Sanction to the Enhancement of mileage grants for Cattle District Fund Roads in that District.

, the letter under 191 noted

Date of issue 16.9.13.

Signed by Hra. V. Ramanathan

over.

SUBJECT.

C/L 2842/1319/13

Order thereon. 3666 P. & B. 40 13. 9. 7. 13.

The increased mileage allotments for the upkeep of the District Road roads shown in the appended Statement, resulting in an Excess Expenditure of Rs. 2700/- a year are sanctioned. Framed the charge during the Current year being met from the reserve grant of Rs. 4193/- made under "A.P.W.S. Reprts" in the Current Year's B.E. budget of the Kolar District.

well
12.9

Hm/
a/g/Dr Secretary

Kf. 33
8/9/13

To the Resident, Dist & Kolar returning letter no. 312 of 21.7.13 received with the letter read above

" Chief Engineer

" Comptroller

" Comptroller, P.W.D. & Ry. Branch.

GPIB—20,000—2-10-11

	Name of road	Mileage			Length	Total increase
		As sanctd.	As proposed	Increase		
1.	Mulbagal Railway feeder Road	Rs. 100	Rs. 2.0	Rs. 20	miles 12½	Rs. 250
2.	Mulbagal Yerendahalli road	100.	50	50	5 (Short-working)	250
3.	Chintamani Bagepalli road	50	70	20	35	700
4.	Kolar Anlagangur road	nil	100	50	½ mile ½ (additional)	50
5.	Kolar Kamfar road	80	100	20	29½	590
6	Malur Metri Ry feeder Road	50	60	10	12	120
7	Hosakota Malur Road	50	60	10	4	40
8	Hosakota Siddaghatta Road	50	60	10	11	110
9	Hesaradanda Gori-bidnur Road	60	70	10	25	250
10	Hindebavi Maddagiri Road	50	60	10	10	100
11	Chintamani Chelur Road	60	70	10	24	240
						2700